

LISTING OF CLAIMS:

This listing of claims replaces all prior versions and listings of claims in the application:

1-20. (Cancelled)

21. (Previously presented) A pipe fitting for connecting at least two pipes, which pipe fitting comprises at least an innermost layer and an outer layer in such a way that the innermost layer is made of a material different from the outer layer, and that the innermost layer is made of plastic tolerating high temperatures, and that the outer layer is formed of such a material that the outer layer is arranged to function as the provider of oxygen diffusion protection and/or the UV protector,

wherein the materials of the different layers are selected in such a way that the outer layer is in contact with but not secured to the innermost layer, such that the surfaces of the innermost layer and the outer layer are able to move relative to each other,

wherein the innermost layer is made of polyphenyl sulphone, polysulphone, polyvinylidene fluoride, polyketone, or polyether ketone, and

wherein the outer layer is made of polyamide, polypropylene, polyethylene, acrylonitrile-butadiene-styrene, or a copolymer containing styrene.

22. (Previously presented) A pipe fitting according to claim 21, wherein the outer layer is arranged to function as the provider of chemical resistance.

23. (Previously presented) A pipe fitting according to claim 21 wherein the outer layer is arranged to function as mechanical reinforcement.

24. (Canceled)

25. (Canceled)

26. (Previously presented) A pipe fitting according to claim 21, wherein the walls of the innermost layer are formed smooth.

27. (Previously presented) A pipe fitting according to claim 21, wherein there is an intermediate layer between the innermost layer and the outer layer.

28. (Previously presented) A pipe fitting according to claim 27, wherein the intermediate layer is a foamed plastic material layer.

29. (Previously presented) A pipe fitting according to claim 21, wherein the outer surface of the pipe fitting is of the same color as the at least two pipes to be connected to the pipe fitting.

30. (Previously presented) A pipe fitting according to claim 21, wherein the end of the outer layer is arranged to function as a stop member of the at least one of the at least two pipes to be inserted into the pipe fitting.

31. (Previously presented) A pipe fitting according to claim 21, wherein the UV protection of the outer surface of the pipe fitting is intensified with metal or mica pigment.

32. (Previously presented) A pipe fitting according to claim 21, wherein a compression collar is arranged to be used to guarantee the connection between the pipe fitting and at least one of the at least two pipes.

33. (Previously presented) A pipe fitting according to claim 32, wherein the outer diameter of the pipe fitting is arranged to be equal to the outer diameter of the compression collar.

34. (Previously presented) A pipe fitting according to claim 32, wherein the color of the compression collar is substantially the same as the color of the pipe fitting.

35. (Previously presented) A pipe fitting according to claim 34, wherein the outer surface of either the compression collar or the pipe fitting is embossed.

36. (Previously presented) A pipe fitting according to claim 32, wherein the end of the compression collar on the side of the at least one of the at least two pipes is rounded.

37. (Previously presented) A pipe fitting according to claim 32, further comprising a support is intended to be used in connection with the pipe fitting, the support having a support collar whose width is substantially equal to the width of the compression collar and whose outer diameter is substantially equal to the outer diameter of the compression collar.

38. (Previously presented) A pipe fitting according to claim 37, wherein the at least two pipes, the support, the pipe fitting and the compression collar are substantially of the same color.

39. (Previously presented) A pipe fitting according to claim 21, wherein in connection with the pipe fitting a plastic composite pipe having a plastic innermost layer and a metal layer outside it is intended to be used; the outer surface of the plastic composite pipe is of metal color, the color being provided by using a transparent extruded plastic material upon the metal layer, or in such a way that a surface is extruded upon the metal, which surface is colored using pearlescent, metal-colored or mica pigments.

Applicant(s) : Jarmo Smahl
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40. (Previously presented) A pipe fitting according to claim 21, wherein the outer layer is formed as a separate and replaceable part.